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National
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1984 NATIONAL GRADUATE SURVEY
1982 UNIVERSITY GRADUATES

Executive Summary

In the summer of 1984, Statistics Canada conducted a survey of 1982 post-secondary graduates from across Canada. The overall objective was to study the relationship between education and the early employment experience of graduates.

Samples of graduates were selected in all provinces from all accredited educational institutions which offered Bachelor/1st Professional, Masters, or Doctoral credentials. A sample of 1,511 graduates was selected from Manitoba's three universities with an overall response rate of 76%. Graduates from the University of Winnipeg were unable to be surveyed as telephone numbers were not received by Statistics Canada within the survey period.

This report analyses the outcomes for Manitoba graduates from UNDERGRADUATE PROGRAMS in comparison to those of similar graduates on a National basis. Some of the major highlights include:

- graduates from Manitoba universities had similar characteristics to university graduates from across Canada. With respect to sex, age, marital status, family dependents, etc. no major differences were found.

- the choice of programs by Manitoba graduates was reflective of local offerings but was similar to the National pattern.

- the major reason given by both Manitoba and National graduates for enrolling in an university program was to improve career prospects.

- Manitoba graduates enjoyed marginally higher levels of employment and lower levels of unemployment than their National counterparts at each of three selected weeks during the two years following graduation. At the time of the survey, 83% of Manitoba's graduates and 82% Nationally were employed. The Labour Force Participation rates for both groups were 91%.

- 62% of employed Manitoba graduates (65% Nationally) reported that a university degree or diploma was the minimum educational requirement for the job they held at the time of the survey.

- 81% of employed Manitoba graduates reported use of their educational skills in their job (80% Nationally). However, an analysis performed by Statistics Canada resulted in 47% of Manitoba graduates and 46% of National graduates deemed as having jobs which were "directly" related to their educational program.

- Manitoba graduates earned average annual salaries comparable to the National level. Overall, Manitoba graduates reported 1984 average earnings of $22,170 compared with $23,680 Nationally. Across Canada, men earned higher salaries than women. Men who graduated from Manitoba institutions reported an average salary which was 15% higher than that of the women ($23,760 compared to $20,700) while Nationally the difference was 13% ($23,980 vs $21,280).

- Manitoba graduates reported they were as satisfied with their current jobs as the National graduates.

- although overall satisfaction was expressed by graduates, the degree of satisfaction expressed lessened as the skill area became more specific.

- similar proportions of graduates (72% from Manitoba, 70% across Canada) reported that in light of their experiences since graduation in 1982, they would choose the same program of study again.

ENQUÊTE NATIONALE DE 1984 AUPRÈS DE DIPLÔMÉS

UNIVERSITAIRES DE 1982

SOMMAIRE ADMINISTRATIF

Pendant l'été de 1984, Statistique Canada a mené une enquête sur les diplômés de 1982 du niveau postsecondaire partout au Canada. L'objectif général était d'étudier le rapport qui existe entre l'éducation et les premières expériences de travail de diplômés.

Dans toutes les provinces, des diplômés de tous les établissements d'enseignement reconnus qui offraient des programmes de baccalauréat, de premier grade professionnel, de maîtrise ou de doctorat ont été sélectionnés pour l'enquête. L'échantillon manitobain se composait de 1511 diplômés des trois universités de la province; le taux de réponse global a été de 76 %. N'ayant pas reçu les numéros de téléphone voulus avant la fin de l'enquête, Statistique Canada n'a pas pu inclure dans cette enquête les diplômés de l'Université de Winnipeg.

Le rapport de l'enquête analyse les résultats obtenus au Manitoba pour les diplômés de programmes de premier cycle en comparant ces résultats à ceux obtenus sur le plan national.

Voici quelques points saillants du rapport :

- En ce qui concerne le sexe, l'âge, l'état civil, les personnes à charge, etc., il n'y a pas de différence significative entre les diplômés du Manitoba et ceux du pays en général.

- Le choix de programme fait par les diplômés du Manitoba est en fonction des programmes offerts dans la province, mais ressemble quand même aux tendances révélées sur le plan national.

- La raison principale de s'être inscrits à un programme universitaire est l'amélioration des perspectives d'emploi, tant pour les diplômés du Manitoba que pour ceux du pays en général.

- Pour les diplômés manitobains, le taux d'emploi est légèrement plus élevé et le taux de chômage un peu moins élevé que pour les diplômés du pays en général, d'après des enquêtes menées au cours de trois différentes semaines pendant la période de deux ans suivant la remise des diplômes. Au moment de l'enquête, 83 % des diplômés manitobains avaient un emploi en comparaison de 82 % sur le plan national. Pour les deux groupes, le taux d'activité est de 91 %.

- Au Manitoba, 62 % des diplômés salariés, par rapport à 65% pour tout le pays, indiquent que l'emploi qu'ils avaient au moment de l'enquête exigeait au moins un diplôme universitaire.

- Par comparaison à 80 % de diplômés sur le plan national, 81 % des diplômés manitobains salariés indiquent qu'ils utilisaient dans leur emploi les connaissances acquises au cours de leur formation. Toutefois, selon les résultats d'une analyse faite par Statistique Canada, 47 % des diplômés du Manitoba et 46 % des diplômés du pays sont considérés comme salariés dont l'emploi était directement relié au programme d'études suivi.

- Les diplômés du Manitoba indiquent des salaires à peu près équivalents à ceux de leurs homologues partout dans le pays. Globalement, ces premiers gagnaient un salaire moyen de 22 170 $ en 1984, tandis que le salaire moyen sur le plan national s'élevait à 23 680 $. L'écart salarial entre les hommes et les femmes est plus important au Manitoba que dans le pays en général, les hommes et les femmes gagnant respectivement 23 760 $ et 20 700 $ au Manitoba, ce qui correspond à un écart de 15 %, par comparaison à 23 980 $ et 21 280 $ dans le pays, ce qui correspond à un écart de 13 %.

- Les diplômés du Manitoba étaient aussi satisfaits de leur emploi que leurs homologues à travers le pays.

- Bien que tous les diplômés se disent satisfaits, le degré de satisfaction varie en rapport inverse avec le degré de spécialisation.

- Dans les deux groupes, des proportions semblables de diplômés, soit 72 % au Manitoba et 70 % sur le plan national, affirment qu'à la lumière de l'expérience qu'ils ont acquise depuis l'obtention de leur diplôme, ils choisiraient encore le même programme d'études.

INTRODUCTION

The National Graduates Survey was conducted by Statistics Canada in co-operation with the Secretary of State and the Canadian Employment and Immigration Commission Canada. The study involved graduates of university, career/technical, and trade/vocational programs who graduated during the 1982 calendar year from a Canadian educational institution. This report addresses the responses from graduates of university programs, with primary emphasis on those who earned an undergraduate degree (i.e., a bachelor's or first professional degree, or undergraduate diploma or certificate).

The objectives of the survey were:

- to monitor the experiences of graduates during the transition from school to work.
- to provide information on occupational supply and demand.
- to provide subjective information on levels of satisfaction of graduates in a number of areas.
- to determine the extent to which employment is related to field of study.
- to study the effects (if any) of retraining.
- to determine the extent of inter-provincial movement of graduates.

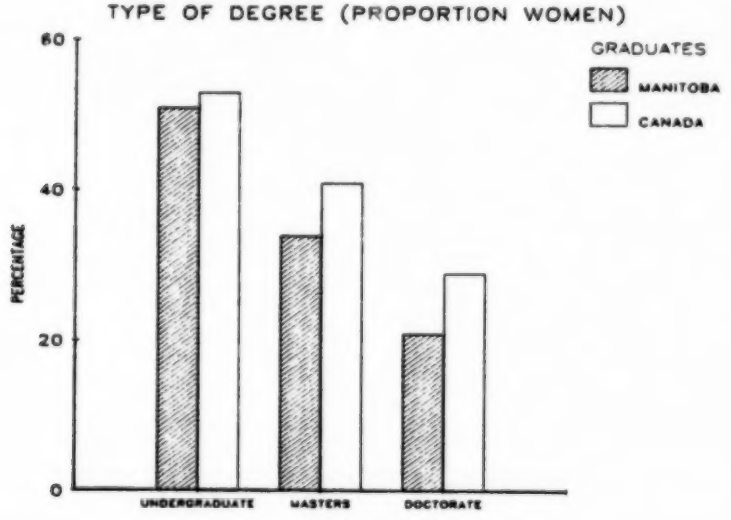
At the onset of the study it was decided to involve the provinces through a data sharing agreement. This report is a result of the decision to release the raw data to the provinces. The objective of this analysis is to determine the outcomes for Manitoba graduates in comparison with similar graduates on a National basis.

The survey was conducted by Statistics Canada by means of telephone interviews during the period June 4, 1984 to July 20, 1984. All interviews strictly adhered to the format contained within a standardized questionnaire (refer to Appendix I). Unfortunately, Statistics Canada did not receive addresses and telephone numbers from the University of Winnipeg which resulted in exclusion of their graduates from the survey. Even with this gap, the overall response rate for Manitoba was 76%. Tables which indicate the populations, samples, response rates, and domains can be found in Appendix II. In order to make the responding sample representative of its corresponding population, analyses conducted for this report have used a weighting factor calculated for each respondent by Statistics Canada. A description of the weighting procedure is contained in Appendix III.

WHO WERE THEY?

Graduates from Manitoba universities had similar characteristics to university graduates from all across Canada. Differences occurred across types of degree rather than across geographic location. For the purpose of this report graduates from undergraduate programs are highlighted with occasional reference to Masters and Doctoral graduates. The undergraduate cohort represented 91% of the Manitoba university population and 87% of the National university population.

The proportions of women graduates, both within Manitoba and across Canada, declined as the level of degree increased:



At both the Masters and Doctoral levels, Manitoba lagged behind the National population.

The vast majority of Manitoba's graduates (90% at undergraduate level) had residence in Manitoba prior to enrolling in their program of study. Of the 10% from out-of-province, 29% came from Ontario, 19% from Saskatchewan, 17% from Alberta, 11% for B.C., 7% from other provinces, and 17% from outside Canada. Sixty-nine percent of these students reported they moved to Manitoba specifically to enrol into their selected program.

Forty percent of Manitoba's graduates with undergraduate degrees had held a full-time job sometime before entering their university program (38% Nationally). Among Manitoba's undergraduate cohort 82% reported English as their Mother Tongue, 5% French, and 13% another language. When asked about the language currently spoken at home 93% reported English, 3% French, and 4% another language.

WHAT PROGRAMS DID GRADUATES WITH UNDERGRADUATE DEGREES/ DIPLOMAS/CERTIFICATES TAKE?

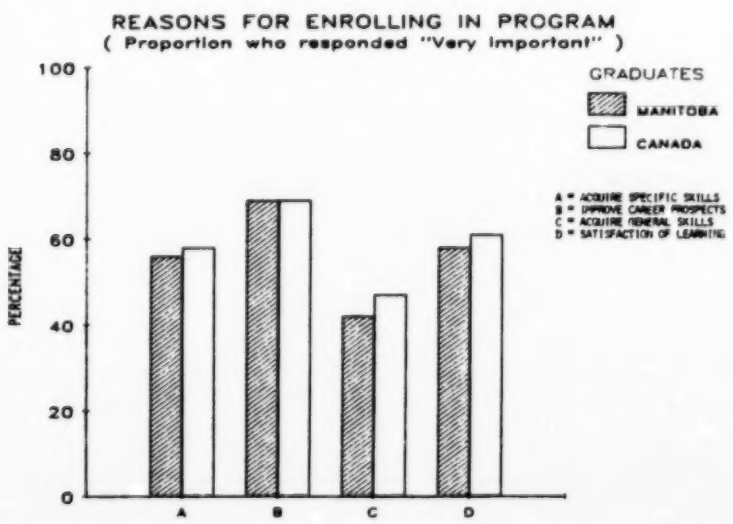
Ninety-one percent of Manitoba's university graduates had earned an undergraduate degree/diploma/certificate. A listing of the fields of study used within this report is included in Appendix IV. Within Manitoba, the Social Sciences and Education contained the highest proportions of these graduates. A distribution of Manitoba's graduates, compared with those at the National level, by field of study may be found in Appendix V.

Twenty-one percent of Manitoba's graduates (24% nationally) had been part-time students at some time during their university program.

WHAT WAS THE SCHOOL TO WORK TRANSITION OF GRADUATES WITH UNDERGRADUATE DEGREES/DIPLOMAS/CERTIFICATES?

During the twelve months prior to enrolling in their program, the majority of graduates had been attending educational institutions. In Manitoba, 62% were going to school, 32% were working, 2% were looking for work, and 4% were participating in household or other activities. The corresponding National figures were very similar with a slightly higher proportion attending an educational institution (67%, 28%, 1%, and 4% respectively).

Graduates were asked to rate the importance of four suggested reasons for embarking on a program of further education. When responses were ranked according to those selected as "very important" the results for Manitoba graduates paralleled that of the National body.



Not surprisingly, "to improve career prospects" was selected as "very important" by the highest proportion of graduates. Analysis within Manitoba by field of study showed a great deal of variance in selecting this reason as being "very important". Eighty-one percent of the graduates from Commerce/Economics/Law selected it as "very important", while at the other end of the spectrum 54% from Fine Arts and Humanities did so.

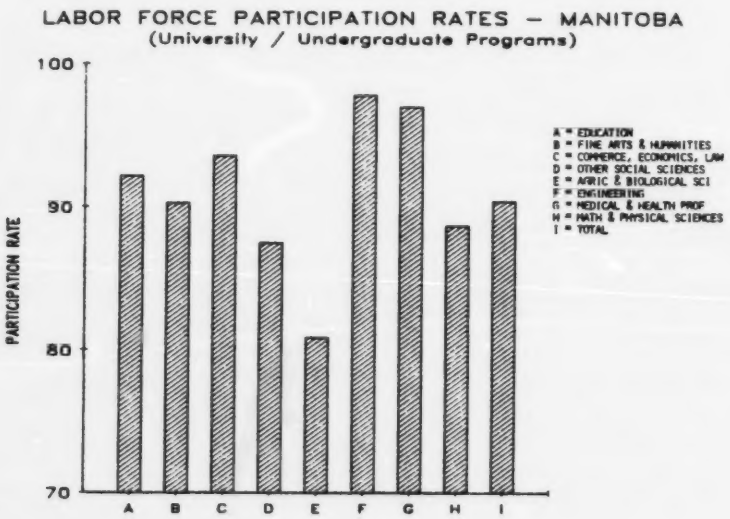
A number of questions contained in the survey examined the employment status after graduation. Questions such as the level of employment, match of job to program, salary, and job satisfaction were examined. Although the survey was conducted during June and July of 1984, respondents were asked about their employment status during selected weeks. These weeks included the last week of January 1983, the last week of October 1983, and the week of May 27 - June 2, 1984. The following chart compares the employment status of Manitoba graduates with the National sample during the selected periods. Manitoba graduates enjoyed marginally higher levels of employment than their National counterparts during each of the weeks used in the survey.

On a provincial basis, Newfoundland and Saskatchewan reported the highest levels of employment (86% and 85% respectively in June 1984) with Quebec and Nova Scotia the lowest (78% and 79% respectively).

Examination of the proportions not in the labor force at each time period, showed a steady decline as time passed. During the January 1983 period, one-fifth of Manitoba's graduates were not in the labor force, but this figure dropped to one-tenth by May-June 1984.

During the two years following graduation, many graduates chose to continue or return to educational *studies*. Approximately 1/2 year after graduation (i.e., in January 1983) over 1/3 of the graduates, both in Manitoba and across Canada, were enrolled in an educational institution. Of these people, 74% from Manitoba and 68% Nationally were registered as full-time students. By the end of the two years 18% of Manitoba's 1982 graduating body (22% Nationally) had completed an additional educational program. Of the Manitoba graduates, 39% had completed a graduate program, 37% another undergraduate program, 18% a community college program, and the remaining 6% some other program.

At the time of the survey, 83% of Manitoba's graduates were employed (82% Nationally) with 82% of these having jobs located within Manitoba. The Labour Force Participation Rate was 91% for both groups. Analysis by field of study within the Manitoba sample found those from Agriculture and Biological Sciences to have the lowest participation rate and those from Engineering to have the highest.

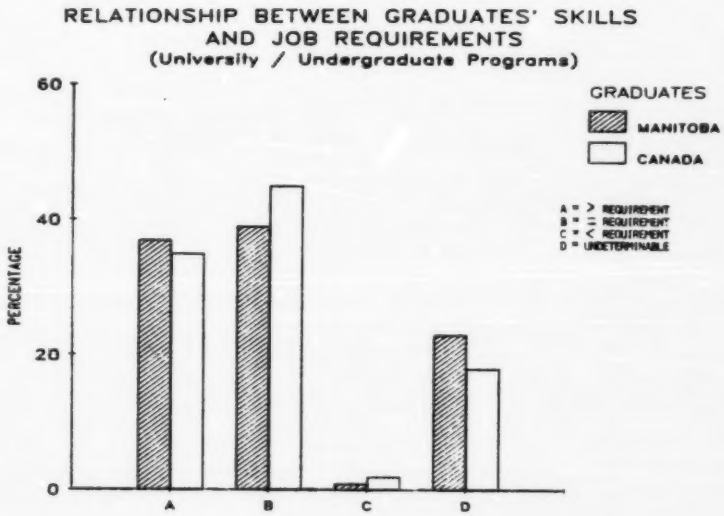


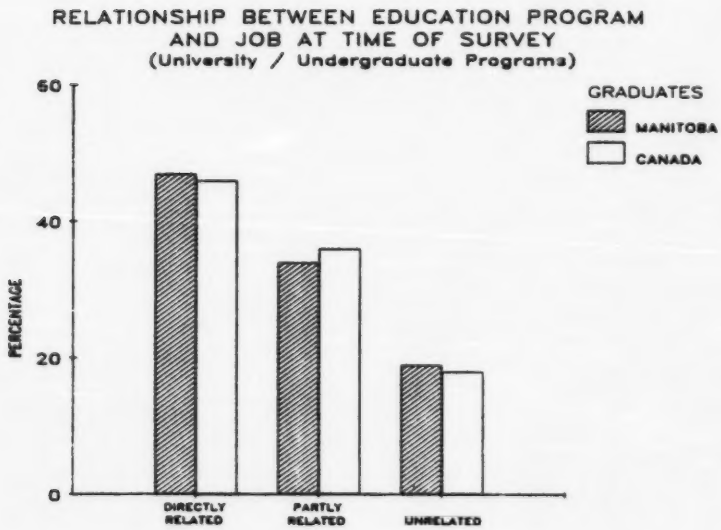
Analysis of those who were unemployed and looking for work (7% of Manitoba graduates, compared with 9% Nationally) found Manitoba graduates from Education, Commerce/Economics/ Law, and Medicine as having very low rates (3%, 4%, and 5% respectively) while those from Fine Arts and Humanities had quite high rates (13%).

The vast majority (93%) of employed Manitoba graduates were salaried employees (94% for Canada as a whole). For both Manitoba and Nationally, 88% of these held full-time positions. Just under 2/3 of the salaried employees (62% in

Manitoba, and 65% Canada) stated that a university degree or diploma was the minimum educational requirement for their job.

Statistics Canada derived two indicators to measure the relationship between each graduate's educational program and their current job (Appendix VI provides an explanation of the calculation of each). Overwhelmingly, graduates both from Manitoba and across Canada, were rated as having the educational skills to meet or exceed their job requirements.





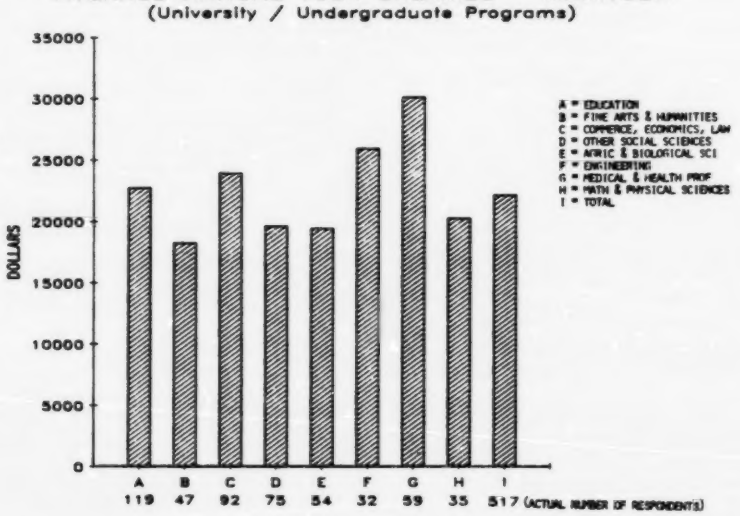
Analysis of the types of jobs held by graduates, however, resulted in less than half of the graduates being deemed as having jobs which were "directly" related to their educational program (47% for Manitoba and 46% for Canada), and 1/5 having jobs considered as totally "unrelated".

Analysis of Manitoba graduates by field of study showed a great deal of variance across fields with Fine Arts/ Humanities and the Social Sciences producing the greatest proportion of graduates who had jobs which were judged as "unrelated" to their educational program (just over 1/3).

When graduates themselves were asked about the relationship between the skills they learned in the programs and those required by their jobs, 81% of Manitoba graduates and 80% Nationally indicated that they used the skills they had learned.

Manitoba graduates earned average annual salaries which were comparable to the National level. Overall, Manitoba graduates reported average 1984 earnings of $22,170 compared with $23,680 Nationally. When only those graduates who were employed full-time were considered, the figures came closer together with Manitoba graduates earning $23,430 and across Canada $23,680. Further analysis showed that there were distinct salary differences between men and women. In Manitoba, men earned an overall average salary which was 15% higher than that of women ($23,760 compared to $20,700). Nationally, the difference was 13% ($23,980 vs. $21,280 respectively). Analysis of salaries across fields of study revealed high levels of variation. In Manitoba, graduates from Medicine and Health Science reported the highest average salaries, while graduates from Fine Arts and Humanities reported the lowest.

AVERAGE ANNUAL 1984 SALARIES – MANITOBA
(University / Undergraduate Programs)

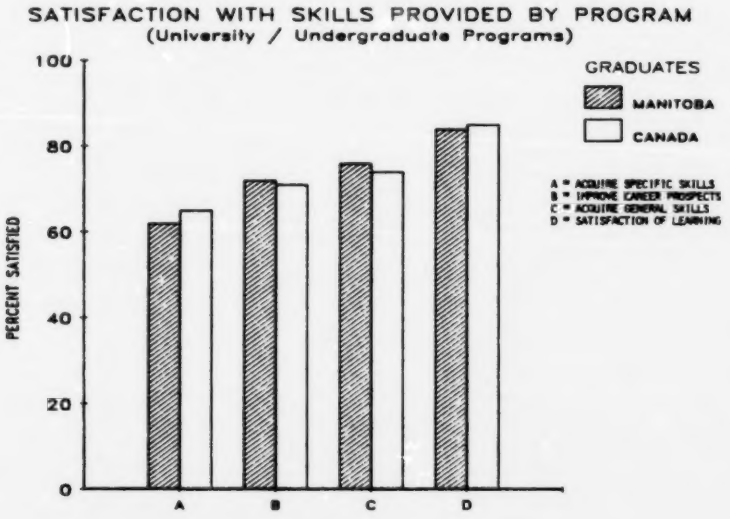


Graduates were asked about their satisfaction with the job they held at the time of the survey. Ninety percent of the employed Manitoba graduates reported they were satisfied or very satisfied (88% did so at national level). Seventy-seven percent considered themselves as having a job for which their educational program was designed (76% Nationally).

HOW SATISFIED WERE GRADUATES WITH THEIR PROGRAMS OF STUDY?

When asked in the light of their experiences since graduation in 1982, 72% of Manitoba's graduates reported that they would take the same program of study again (70% Nationally). Of the 28% who would not repeat the same program, nearly all would select a different university program, with a small proportion (12%) desiring a college or trade program.

In regard to the specific skills that were provided by the various programs, there was overall satisfaction expressed by both Manitoba and National graduates.



For all graduates, however, as the skills became more specific the level of satisfaction among graduates decreased.

WHERE WERE OUR GRADUATES IN 1984?

Prior to enrolling in their program, 10% of Manitoba's graduates had out-of-province residence. At the time of the survey, two years after completion of their program, 19% had out-of-province residences with Ontario and Alberta being the primary recipient provinces.

APPENDICES

APPENDIX I

Statistics Canada Statistique Canada

Special Surveys Division

Form NGS – 01

CONFIDENTIAL when completed

NATIONAL GRADUATES SURVEY

University and College Programs

Authority – Statistics Act, Statutes of Canada, 1970 - 71 - 72, Chapter 15.

Correction of line A:

Interviewer's number	Interviewer's name	Senior interviewer

1. Record of calls/trace

	Date	Start Time	Finish Time	Result	Telephone Number
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Total number of calls

2. Length of interview: minutes.

8–5400–34.1: 5-3-84 TB/CT–REG. B102555

Canada

3. *Final Status of Questionnaire*

Contacted and completed interview	01 ○
Contacted and partial interview	02 ○
Contacted but refused	03 ○
Already contacted (duplicate)	04 ○
Absent for duration of survey	05 ○
Unlisted number	06 ○
No answer	07 ○
Can't be reached by phone	08 ○
Unable to trace	09 ○
Interview ended in item 6	10 ○
No longer living in Canada	11 ○
Other	12 ○

A. INTRODUCTION

4. HELLO, I'M . . . *(your name)* . . . FROM STATISTICS CANADA. WE'RE DOING A SURVEY OF 1982 GRADUATES. THE SURVEY WILL GIVE EDUCATIONAL PLANNERS INFORMATION ON THE EMPLOYMENT EXPERIENCE OF GRADUATES. I'D LIKE TO ASK YOU SOME QUESTIONS. YOUR ANSWERS WILL BE STRICTLY CONFIDENTIAL AND WILL BE USED ONLY FOR STATISTICAL PURPOSES.

5. FIRST I'D LIKE TO ENSURE THAT OUR INFORMATION IS CORRECT. DID YOU OBTAIN A *(Read line A)* IN 1982?

Yes 1 ○ *Go to 8* No 2 ○

6. DID YOU OBTAIN ANY DEGREE, DIPLOMA OR CERTIFICATE IN 1982?

Yes 1 ○ No 2 ○ *End interview*

7. WHAT DEGREE, DIPLOMA OR CERTIFICATE DID YOU OBTAIN IN 1982? *(Check one only)*

Diploma or certificate from college/CEGEP/other equivalent institution	1 ○
University undergraduate diploma or certificate	2 ○
Bachelors or first professional degree	3 ○
University graduate diploma or certificate	4 ○
Masters degree	5 ○
Doctorate degree	6 ○
Other *(Specify)*	7 ○

(Correct line A of the label if required, then go to 8)

B. DURING POSTSECONDARY STUDIES

8. NOW SOME QUESTIONS ABOUT THE TIME WHILE YOU WERE STUDYING FOR THE *(Read line A)*. IN WHAT MONTH DID YOU COMPLETE THE REQUIREMENTS FOR THE *(Read line A)*? BY "COMPLETE THE REQUIREMENTS" I MEAN, FOR EXAMPLE, WRITE THE LAST EXAM, OR SUBMIT THE LAST PAPER, REPORT OR PROJECT, OR DEFEND YOUR THESIS. *(Enter month and check year)*

☐☐ Month 1981 1 ○ 1982 2 ○

9. WHAT WAS THE MAJOR FIELD OF STUDY OR SPECIALIZATION FOR THE *(Read line A)*? *(If two, enter both)*

1. ☐☐☐

10. WHAT WAS THE NORMAL LENGTH, IN ACADEMIC YEARS, OF THE *(Read line A)* PROGRAM?

Less than one year	1 ○	Four years	5 ○
One year	2 ○	Five years	6 ○
Two years	3 ○	More than five years	7 ○
Three years	4 ○	Don't know	8 ○

11. WAS THE *(Read line A)* PROGRAM A COOPERATIVE PROGRAM?

Yes 1 ○ No 2 ○

12. WERE YOU EVER REGISTERED AS A PART-TIME STUDENT IN THE *(Read line A)* PROGRAM?

Yes 3 ○ No 4 ○ *Go to 15*

13. DID YOU TAKE MOST OF THE COURSES IN THE *(Read line A)* PROGRAM AS A PART-TIME STUDENT?

Yes 5 ○ No 6 ○

About equally full-time and part-time, half-and-half 7 ○

14. DURING YOUR FINAL TERM IN THE *(Read line A)* PROGRAM, WERE YOU ENROLLED AS A FULL-TIME OR AS A PART-TIME STUDENT?

Full-time 8 ○ Part-time 9 ○

15. BEFORE YOU STARTED THE *(Read line A)* PROGRAM, WHAT WAS THE HIGHEST LEVEL OF EDUCATION YOU HAD COMPLETED? *(Do not read list. Mark one only)*

School:

Elementary . . . . . 01 ○

Some secondary . . . . . 02 ○

Completed secondary/technical high school . . . . . 03 ○

College:

Some college/CEGEP . . . . . 04 ○

Completed college/CEGEP D.E.C/technical institute . . . 05 ○

University:

Some university (incl. university transfer in Alta.& B.C.) 06 ○

University certificate or diploma (below graduate level) 07 ○

University certificate or diploma (graduate level) . . . . . 08 ○

Bachelors degree (e.g. B.A., B.Sc., B.Ed., B.Comm., B.Eng., etc.) . . . . . 09 ○

Degree in law, medicine or theology (e.g. LL.B., D.D.S., D.V.M.) . . . . . 10 ○

Masters degree (e.g. M.A., M.Sc., M.Ed., M.B.A., etc.) 11 ○

Earned doctorate (e.g. Ph.D., D.Sc., etc.) . . . . . 12 ○

Other *(Specify)* . . . . . 13 ○

_____

C. WORK AND OTHER EXPERIENCES BEFORE POSTSECONDARY STUDIES

16. NOW SOME QUESTIONS ABOUT THE TIME BETWEEN LEAVING HIGH SCHOOL AND COMPLETING THE *(Read line A)* PROGRAM. DURING THAT PERIOD, DID YOU EVER WORK FULL-TIME? BY FULL-TIME I MEAN USUALLY WORKED 30 OR MORE HOURS A WEEK. DO NOT INCLUDE SUMMER JOBS HELD WHILE YOU WERE A STUDENT.

Yes [1]○ No [2]○ *Go to 23*

17. DURING THAT PERIOD, WHAT WAS THE TOTAL NUMBER OF YEARS OF FULL-TIME WORK EXPERIENCE YOU HAD ACCUMULATED? DO NOT INCLUDE SUMMER JOBS HELD WHILE YOU WERE A STUDENT.

Less than 6 months . . . . . [1]○ *Go to 23*

6 months – less than 1 year . . . . [2]○

1 – less than 3 years . . . . . [3]○

3 – less than 5 years . . . . . [4]○

5 – less than 7 years . . . . . [5]○ *Go to 19*

7 years or more . . . . . [6]○

Don't know . . . . . [7]○

18. DURING THAT PERIOD, DID YOU WORK AT A FULL-TIME JOB FOR A PERIOD OF SIX CONSECUTIVE MONTHS OR MORE?

Yes [1]○ No [2]○ *Go to 23*

19. IN THE TIME BETWEEN LEAVING HIGH SCHOOL AND COMPLETING THE *(Read line A)* PROGRAM, IN WHAT YEAR DID YOU LAST WORK AT A JOB THAT LASTED SIX MONTHS OR MORE? *(Enter year or check)*

1	9		

Or: Still working at it [1]○

Never [2]○ *Go to 23*

20. FOR WHOM DID YOU WORK AT THAT JOB? *(Probe with name of business, government department or agency, or person)*

Don't know [1]○ Or:

21. WHAT KIND OF BUSINESS, INDUSTRY OR SERVICE WAS THIS? *(Probe with: elementary school, municipal government, retail shoe store)*

Don't know [1]○ Or:

22. WHAT KIND OF WORK WERE YOU DOING? *(Probe with: elementary school teacher, manager of a biological research department, shoe salesperson) (Describe major activity, using at least two words)*

Don't know [1]○ Or:

23. DURING THE 12 MONTHS BEFORE YOU ENROLLED IN THE *(Read line A)* PROGRAM, WHAT WAS YOUR MAJOR ACTIVITY? FOR EXAMPLE, WORKING, GOING TO SCHOOL, LOOKING FOR WORK, HOUSEHOLD RESPONSIBILITIES. *(Check one only)*

Working . . . . . [1]○ *Go to 25*

Going to school . . . . . [2]○

Looking for work . . . . . [3]○

Household responsibilities . . . . . [4]○ *Go to 25*

Other *(Specify)* . . . . . [5]○

24. IN WHAT KIND OF SCHOOL WAS THAT?

- High school 1
- Vocational school/institute 2
- College, CEGEP 3
- University 4
- Other 5

25. DURING THE 12 MONTHS BEFORE YOU ENROLLED IN THE *(Read line A)* PROGRAM, WAS YOUR PRINCIPAL RESIDENCE IN *(Read province of institution from line B of label)*?

Yes 1 *Go to 28* No 2

26. IN WHAT PROVINCE WAS IT?

Nfld.	01	Man.	07
P.E.I.	02	Sask.	08
N.S.	03	Alta.	09
N.B.	04	B.C.	10
Quebec	05	Yukon or N.W.T.	11
Ontario	06	Outside Canada	12

27. DID YOU MOVE FROM THAT PROVINCE (COUNTRY) SPECIFICALLY TO ENROLL IN THE *(Read line A)* PROGRAM, OR FOR SOME OTHER REASON?

Enroll 1 Other reason 2

Did not move 3

D. LAST WEEK OF JANUARY 1983

28. NOW A FEW QUESTIONS ABOUT YOUR EXPERIENCES SINCE YOU COMPLETED THE *(Read line A)* PROGRAM. FIRST SOME QUESTIONS ABOUT THE LAST WEEK OF JANUARY 1983, THAT IS, ABOUT A YEAR AND A HALF AGO. DURING THAT WEEK, WERE YOU ENROLLED IN AN EDUCATIONAL INSTITUTION?

Yes 1 No 2 *Go to 30*

29. WERE YOU ENROLLED AS A FULL-TIME OR AS A PART-TIME STUDENT?

Full-time 3 Part-time 4

30. DURING THAT WEEK, DID YOU DO ANY WORK AT A JOB OR A BUSINESS?

Yes 5 *Go to 32* No 6

31. DURING THAT WEEK, DID YOU HAVE A JOB OR BUSINESS AT WHICH YOU DID NOT WORK?

Yes 7 No 8 *Go to 33*

32. WAS THAT A FULL-TIME JOB, THAT IS, USUALLY 30 OR MORE HOURS A WEEK?

Yes 1 *Go to 36* No 2

33. DURING THE LAST WEEK OF JANUARY 1983, DID YOU HAVE A FULL-TIME JOB TO START AT A DEFINITE DATE IN THE FUTURE?

Yes 3 *Go to 36* No 4

34. WERE YOU LOOKING FOR A JOB DURING THE LAST WEEK OF JANUARY 1983?

Yes 5 No 6 *Go to 36*

35. WERE YOU LOOKING FOR A FULL-TIME JOB?

Yes 7 No 8

E. LAST WEEK OF OCTOBER 1983

36. NOW SOME QUESTIONS ABOUT THE LAST WEEK OF OCTOBER 1983. DURING THAT WEEK, WERE YOU ENROLLED IN AN EDUCATIONAL INSTITUTION?

Yes 1 No 2 *Go to 38*

37. WERE YOU ENROLLED AS A FULL-TIME OR AS A PART-TIME STUDENT?

Full-time 3 Part-time 4

38. DURING THAT WEEK, DID YOU DO ANY WORK AT A JOB OR BUSINESS?

Yes 5 *Go to 40* No 6

39. DURING THAT WEEK, DID YOU HAVE A JOB OR BUSINESS AT WHICH YOU DID NOT WORK?

Yes 7 No 8 *Go to 41*

40. WAS THAT A FULL-TIME JOB, THAT IS, USUALLY 30 OR MORE HOURS A WEEK?

Yes 1 *Go to 44* No 2

41. DURING THE LAST WEEK OF OCTOBER 1983, DID YOU HAVE A FULL-TIME JOB TO START AT A DEFINITE DATE IN THE FUTURE?

Yes [3] ○ *Go to 44* No [4] ○

42. WERE YOU LOOKING FOR A JOB DURING THE LAST WEEK OF OCTOBER 1983?

Yes [5] ○ No [6] ○ *Go to 44*

43. WERE YOU LOOKING FOR A FULL-TIME JOB?

Yes [7] ○ No [8] ○

F. SINCE COMPLETING POSTSECONDARY STUDIES

44. *INTERVIEWER CHECK-ITEM:*

If respondent was looking for a job in January ("Yes" in 34) or in October ("Yes" in 42),

Check [1] ○ *Go to 47*

Otherwise [2] ○ *Go to 45*

45. NOW SOME QUESTIONS ABOUT THE ENTIRE TWO YEARS OR SO SINCE YOU COMPLETED THE *(Read line A)* PROGRAM. AT ANY TIME SINCE THEN, WERE YOU EVER WITHOUT A JOB AND LOOKING FOR ONE?

Yes [1] ○ No [2] ○ *Go to 50*

46. HOW LONG IN TOTAL WERE YOU WITHOUT A JOB AND LOOKING FOR ONE? *(Check and enter amounts or check "don't know")*

weeks [1] ○ ☐☐ (number)

months [2] ○ ☐☐ (number)

Or: don't know [3] ○

Go to 48

47. NOW SOME QUESTIONS ABOUT THE ENTIRE TWO YEARS OR SO SINCE YOU COMPLETED THE *(Read line A)* PROGRAM. HOW LONG IN TOTAL WERE YOU WITHOUT A JOB AND LOOKING FOR ONE IN THIS PERIOD? *(Check and enter amounts or check "don't know")*

weeks [1] ○ ☐☐ (number)

months [2] ○ ☐☐ (number)

Or: don't know [3] ○

48. DURING ANY OF THIS TIME WHEN YOU WERE LOOKING FOR A JOB, WERE YOU A FULL-TIME STUDENT?

Yes [1] ○ No [2] ○ *Go to 50*

49. HOW MUCH OF THIS TIME WERE YOU A FULL-TIME STUDENT? *(Check and enter number of weeks or months)*

weeks [1] ○ ☐☐ (number)

months [2] ○ ☐☐ (number)

Or: all of it [3] ○

50. SINCE COMPLETING THE *(Read line A)* PROGRAM, HAVE YOU COMPLETED ANY OTHER UNIVERSITY, COLLEGE OR VOCATIONAL PROGRAMS?

Yes [1] ○ No [2] ○ *Go to 52*

51. WHAT TYPES OF DEGREES, DIPLOMAS OR CERTIFICATES HAVE YOU OBTAINED? *(Mark all mentioned)*

Trade/vocational . . . . . [1] ○

Community college/CEGEP/technical institute certificate or diploma/CEGEP D.E.C. . . . . [2] ○

University certificate or diploma (below graduate level) [3] ○

University certificate or diploma (graduate level) . . . . . [4] ○

Bachelors degree . . . . . [5] ○

Degree in law, medicine or theology (LL.B., D.D.S., D.V.M.) . . . . . [6] ○

Masters degree . . . . . [7] ○

Earned doctorate (Ph.D., D.Sc., etc.) . . . . . [8] ○

Other *(Specify)* . . . . . [9] ○

_____

52. *INTERVIEWER CHECK-ITEM:*
If institution on line B of label is university,

check [1]○ *Go to 55*

Otherwise [2]○ *Go to 53*

53. SINCE COMPLETING THE *(Read line A)* PROGRAM, HAVE YOU REGISTERED IN AN APPRENTICESHIP PROGRAM?

Yes [1]○ No [2]○ *Go to 55*

54. WHAT TRADE?

G. WEEK OF MAY 27 THROUGH JUNE 2, 1984

55. NOW SOME QUESTIONS ABOUT THE WEEK OF MAY 27 THROUGH JUNE 2, 1984. DID YOU DO ANY WORK AT A JOB OR BUSINESS DURING THAT WEEK?

Yes [1]○ *Go to 58* No [2]○

56. DURING THAT WEEK, DID YOU HAVE A JOB OR BUSINESS AT WHICH YOU DID NOT WORK?

Yes [3]○ No [4]○ *Go to 59*

57. WERE YOU ABSENT FROM WORK DURING THE WEEK OF MAY 27 THROUGH JUNE 2 BECAUSE OF A TEMPORARY LAYOFF?

Yes [5]○ No [6]○

58. WAS THE JOB YOU HAD DURING THAT WEEK A FULL-TIME JOB, THAT IS, USUALLY 30 OR MORE HOURS A WEEK?

Yes [7]○ *Go to 64* No [8]○ *Go to 63*

59. DURING THE WEEK OF MAY 27 THROUGH JUNE 2, DID YOU HAVE A FULL-TIME JOB TO START AT A DEFINITE DATE IN THE FUTURE?

Yes [1]○ *Go to 64* No [2]○

60. DURING THE WEEK OF MAY 27 THROUGH JUNE 2, WERE YOU LOOKING FOR A JOB?

Yes [3]○ *Go to 62* No [4]○

61. WHAT WAS THE MAIN REASON YOU DID NOT LOOK FOR A JOB THAT WEEK? *(Mark one only)*

- Own illness or disability . . . . . [01]○
- Personal or family responsibilities . . . . [02]○
- Going to school . . . . . [03]○
- No longer interested in finding a job . . . [04]○
- Waiting for recall (to former job) . . . . . [05]○
- Had already found a new job . . . . . [06]○
- Waiting for replies from employer . . . . [07]○
- Could not find the kind of job wanted . [08]○
- Discouraged with looking . . . . . [09]○
- Other reason . . . . . [10]○
- No reason given . . . . . [11]○

Go to 70

62. WERE YOU LOOKING FOR A FULL-TIME JOB?

Yes [1]○ No [2]○

Go to 70

63. WHAT IS THE MAIN REASON YOU HAD A PART-TIME JOB? *(Do not read list; check one only)*

- Own illness or disability . . . . . [1]○
- Personal or family responsibilities . . . . . [2]○
- Going to school . . . . . [3]○
- Could only find part-time work . . . . . [4]○
- Did not want full-time work . . . . . [5]○
- Full-time work is under 30 hours a week . . . . . [6]○
- Other reason *(Specify)* . . . . . [7]○

_____

64. *INTERVIEWER: For items 65 through 80, if the respondent had more than one job, ask about the main job, i.e. the one usually worked at for the most number of hours.*

65. FOR WHOM DID YOU WORK AT THAT JOB? *(Probe with name of business, government department or agency, or person)*

66. WHAT KIND OF BUSINESS, INDUSTRY OR SERVICE WAS THIS? *(Probe with: elementary school, municipal government, retail shoe store)*

67. WHAT KIND OF WORK WERE YOU DOING? *(Probe with: elementary school teacher, manager of a biological research department, shoe salesperson) (Describe major activity, using at least two words)*

68. IF YOU WERE TO WORK AT THAT JOB FOR THE 12 MONTHS OF 1984, APPROXIMATELY WHAT WOULD BE YOUR GROSS ANNUAL EARNINGS? *(Record to nearest thousand dollars)*

$ [ ][ ]0 0 0 .0 0 Or: don't know [1]○

69. IN THE JOB YOU HAD IN THE WEEK OF MAY 27 THROUGH JUNE 2, WERE YOU A PAID WORKER OR SELF-EMPLOYED?

Paid worker . . . . . [1]○ *Go to 71*

Self-employed. . . . . [2]○

Other (e.g. unpaid family worker). . . . . [3]○

70. DO YOU THINK THE EDUCATIONAL PROGRAM YOU COMPLETED FOR THE *(Read line A)* WAS INTENDED TO PREPARE STUDENTS FOR A SPECIFIC JOB OR CAREER?

Yes [1]○ No [2]○

Go to 86

71. DID YOU HAVE A PERMANENT POSITION OR A TEMPORARY POSITION WITH THAT EMPLOYER? *(If respondent asks, read definition of "permanent" and "temporary")*

Permanent [1]○

(Definition: There was no indication that the job would end at some definite point in time, e.g., hired permanently with no specified term)

Temporary [2]○

(Definition: There was a definite indication that the job would terminate at some specified point in time, e.g., hired for a six-month term)

72. WHEN YOU WERE SELECTED FOR THAT JOB, WHAT MINIMUM EDUCATIONAL QUALIFICATIONS WERE REQUIRED TO MEET THE HIRING CRITERIA? *(Mark one only)*

No qualifications specified . . . . . [01]○
High school completion or less. . . [02]○
Some postsecondary . . . . . [03]○
} *Go to 74*

College diploma or certificate . . . [04]○

University diploma or certificate [05]○

Degree, level not specified. . . . . [06]○

Bachelors or first professional degree . . . . . [07]○

Masters degree . . . . . [08]○

Doctorate degree. . . . . [09]○

Don't know . . . . . [10]○ *Go to 74*

73. DID THE EMPLOYER SPECIFY THAT IT WAS ESSENTIAL FOR THIS QUALIFICATION TO BE IN A SPECIFIC FIELD OR FIELDS OF STUDY?

Yes [1]○ No [2]○

74. DID THE EMPLOYER SPECIFY THAT RELATED WORK EXPERIENCE WAS ESSENTIAL FOR THAT JOB?

Yes [3] ○ No [4] ○ Don't know [5] ○

75. DO YOU THINK THE EDUCATIONAL PROGRAM YOU COMPLETED FOR THE *(Read line A)* WAS INTENDED TO PREPARE STUDENTS FOR A SPECIFIC JOB OR CAREER?

Yes [6] ○ No [7] ○ *Go to 77*

76. WAS YOUR JOB IN THE WEEK OF MAY 27 THROUGH JUNE 2 ONE FOR WHICH YOUR EDUCATIONAL PROGRAM WAS DESIGNED?

Yes [8] ○ No [9] ○

77. *INTERVIEWER CHECK-ITEM:*

If respondent had a full-time job to start in the future ("Yes" in 59),

Check [1] ○ *Go to 86*

Otherwise [2] ○ *Go to 78*

78. CONSIDERING ALL ASPECTS OF THE JOB YOU HAD IN THE WEEK OF MAY 27 THROUGH JUNE 2, HOW SATISFIED WERE YOU WITH THE JOB? WOULD YOU SAY THAT YOU WERE . . . *(Read first four categories aloud)*

Very satisfied? . . . . . [1] ○

Satisfied? . . . . . [2] ○

Not very satisfied? . . . . . [3] ○

Not at all satisfied? . . . . . [4] ○

Don't know/no opinion . . . . . [5] ○

79. CONSIDERING THE DUTIES AND RESPONSIBILITIES OF THAT JOB, HOW SATISFIED WERE YOU WITH THE SALARY YOU RECEIVED? WOULD YOU SAY THAT YOU WERE . . . *(Read first four categories aloud)*

Very satisfied? . . . . . [1] ○

Satisfied? . . . . . [2] ○

Not very satisfied? . . . . . [3] ○

Not at all satisfied? . . . . . [4] ○

Don't know/no opinion . . . . . [5] ○

80. IN THAT JOB, DID YOU USE ANY OF THE SKILLS ACQUIRED THROUGH THE EDUCATIONAL PROGRAM WHICH LED TO THE *(Read line A)*?

Yes [1] ○ No [2] ○

H. JOB LASTING SIX MONTHS OR MORE

81. HAVE YOU WORKED AT THE JOB YOU HAD IN THE WEEK OF MAY 27 THROUGH JUNE 2 FOR SIX MONTHS OR MORE? *(Interviewer: If asked, a "job" means doing the same kind of work for the same employer)*

Yes [1] ○ No [2] ○ *Go to 85*

82. SINCE YOU COMPLETED THE REQUIREMENTS FOR THE *(Read line A)* PROGRAM, WAS THAT YOUR FIRST FULL-TIME JOB LASTING SIX MONTHS OR MORE?

Yes [1] ○ No [2] ○

83. WHEN DID YOU BEGIN THE JOB YOU HAD IN THE WEEK OF MAY 27 THROUGH JUNE 2? *(Enter month and year)*

		1	9	

Month Year

84. *INTERVIEWER CHECK-ITEM:*

If the job held in the week of May 27 through June 2 was the first job lasting six months or more ("Yes" in 82),

Check [1] ○ *Go to 91*

Otherwise [2] ○ *Go to 87*

85. WHEN DID YOU BEGIN THAT JOB? *(Enter month and check year)*

Month 1983 [1] ○ 1984 [2] ○

86. SINCE YOU COMPLETED THE REQUIREMENTS FOR THE *(Read line A)* PROGRAM, HAVE YOU HELD ANY FULL-TIME JOB LASTING SIX MONTHS OR MORE?

Yes [1] ○ No [2] ○ *Go to 91*

87. SINCE YOU COMPLETED THE REQUIREMENTS FOR THE *(Read line A)* PROGRAM, WHEN DID YOU START YOUR FIRST FULL-TIME JOB LASTING SIX MONTHS OR MORE? *(Enter month and year)*

Month ☐☐ Year 19☐☐

88. FOR WHOM DID YOU WORK AT THAT JOB? *(Probe with name of business, government department or agency, or person)*

Don't know [1]○ Or:

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐

89. WHAT KIND OF BUSINESS, INDUSTRY OR SERVICE WAS THIS? *(Probe with: elementary school, municipal government, retail shoe store)*

Don't know [1]○ Or:

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐

90. WHAT KIND OF WORK WERE YOU DOING? *(Probe with: elementary school teacher, manager of a biological research department, shoe salesperson) (Describe major activity, using at least two words)*

Don't know [1]○ Or:

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐☐☐☐

I. GENERAL AND CLASSIFICATORY QUESTIONS

91. NOW I'D LIKE TO ASK YOU SOME QUESTIONS ABOUT YOUR REASONS FOR ENROLLING IN THE *(Read line A)* PROGRAM. ON A SCALE OF ONE TO FOUR, WHERE ONE MEANS "NOT IMPORTANT" AND FOUR MEANS "VERY IMPORTANT", HOW IMPORTANT WAS IT FOR YOU ... *(Read reason. Repeat underlined words for each reason)*

	Not Important 1	2	3	Very Important 4
1. To acquire specialized knowledge and skills required in a particular occupation?	01○	02○	03○	04○
2. To improve your career prospects?	05○	06○	07○	08○
3. To acquire general communication, social and reasoning skills?	09○	10○	11○	12○
4. To have the satisfaction of learning and understanding an academic discipline?	13○	14○	15○	16○

92. NOW GIVEN YOUR EXPERIENCE WHILE IN THE PROGRAM AND SINCE GRADUATION, ON A SCALE OF ONE TO FOUR WHERE ONE MEANS "NOT AT ALL" AND FOUR MEANS "TO A GREAT EXTENT", TO WHAT EXTENT DO YOU FEEL YOUR PROGRAM PROVIDED YOU WITH ... *(Read phrase. Repeat underlined words for each phrase)*

	Not at All 1	2	3	To a Great Extent 4
1. Specialized knowledge and skills required in a particular occupation? . .	01○	02○	03○	04○
2. Improved career prospects?	05○	06○	07○	08○
3. General communication, social and reasoning skills?	09○	10○	11○	12○
4. The satisfaction of learning and understanding an academic discipline?	13○	14○	15○	16○

93. GIVEN YOUR EXPERIENCE SINCE COMPLETING THE REQUIREMENTS FOR THE *(Read line A)*, WOULD YOU HAVE SELECTED THE SAME EDUCATIONAL PROGRAM, A DIFFERENT PROGRAM, OR NOT TAKEN ANY POST-SECONDARY PROGRAM?

Same 1○ Different 2○
None 3○ *Go to 95*

94. WHAT KIND WOULD YOU HAVE TAKEN – A UNIVERSITY, A COLLEGE, OR A TRADE PROGRAM?

University . . . . . 1○
College . . . . . 2○
Trade . . . . . 3○

95. IN GENERAL HOW IMPORTANT IS IT TO YOU THAT A JOB BE RELATED TO YOUR FIELD OF STUDY OR SPECIALIZATION? WOULD YOU SAY IT IS . . . *(Read first four categories aloud)*

Very important? . . . . . 1○
Important? . . . . . 2○
Not very important? . . . . . 3○
Not at all important? . . . . . 4○
Don't know/no opinion . . . . . 5○

96. DID YOU EVER BORROW MONEY TO FINANCE ANY OF YOUR EDUCATION?

Yes 1○ No 2○ *Go to 100*

97. THINKING ONLY OF REPAYABLE LOANS, HOW MUCH DID YOU OWE TO THE STUDENT LOAN PROGRAM WHEN YOU GRADUATED IN 1982? *(Do not include grants. Round to the nearest $100)*

$ [ ][ ][ ]0 0 .0 0

98. AT THAT TIME, DID YOU OWE OTHER MONEY AS A RESULT OF BORROWING TO FINANCE YOUR EDUCATION?

Yes 1○ No 2○ *Go to 100*

99. HOW MUCH WAS THIS? *(Round to the nearest $100)*

$ [ ][ ][ ]0 0 .0 0

100. FINALLY, I'D LIKE TO ASK YOU SOME QUESTIONS ABOUT YOURSELF. IN WHAT YEAR WERE YOU BORN?

[1][9][ ][ ] Year Or: refused 1○

101. WHAT IS YOUR MARITAL STATUS? ARE YOU SINGLE, THAT IS, NEVER MARRIED; MARRIED, INCLUDING COHABITATION; WIDOWED, SEPARATED, OR DIVORCED?

Single (never married) . . . . . 1○
Married/cohabitation . . . . . 2○
Widowed, separated, divorced . . . . . 3○
Refused, not stated . . . . . 4○

102. WHAT LANGUAGE DID YOU FIRST LEARN AND STILL UNDERSTAND? *(Check one only)*

English . . . . . 1○
French . . . . . 2○
Other language . . . . . 3○

103. WHAT LANGUAGE DO YOU SPEAK MOST OFTEN AT HOME? *(Check one only)*

English . . . . . 1○
French . . . . . 2○
Other language . . . . . 3○

104. DO YOU HAVE ANY DEPENDENT CHILDREN?

Yes 1○ No 2○ *Go to 106*

105. PLEASE TELL ME THEIR AGES. *(Record age in years as of last birthday)*

[ ][ ] [ ][ ] [ ][ ] [ ][ ] [ ][ ]
[ ][ ] [ ][ ] [ ][ ] [ ][ ] [ ][ ]

106. COLLEGES AND UNIVERSITIES ARE INTERESTED IN KNOWING WHERE STUDENTS LOCATE AFTER GRADUATION. WOULD YOU PLEASE TELL ME THE NAME OF THE CITY, TOWN OR VILLAGE YOU LIVE IN AND YOUR POSTAL CODE.

City, etc.

Postal code

107. *READ THE FOLLOWING DATA-SHARING AGREEMENT EXACTLY AS WORDED.*

To avoid duplication of enquiry, Statistics Canada is conducting this survey jointly with the Department of the Secretary of State, Employment and Immigration Canada and the provincial Ministries of Education and Labour. The information collected will be kept confidential and used for statistical purposes only.

However, if you object to sharing your answers with any of these departments, please write to the Chief Statistician of Canada, Ottawa, Ontario, K1A 0T6.

(If respondent asks if it isn't enough just to tell you he/she doesn't want to share, add:) According to the law, we need to have a letter from you indicating that you object to your answers being shared, specifying which departments this objection applies to.

108. THAT'S THE END OF THE SURVEY. WOULD YOU LIKE US TO SEND YOU A SUMMARY OF THE SURVEY RESULTS WHEN IT IS AVAILABLE?

Yes [1] ○ No [2] ○ *Terminate and go to 110*

109. MAY I HAVE THE REST OF YOUR MAILING ADDRESS, BESIDES THE CITY/TOWN/VILLAGE AND POSTAL CODE YOU JUST GAVE ME? *(Write in street name and number, apartment number, etc.)*

END INTERVIEW, PLEASE COMPLETE ITEMS 110 THROUGH 111

110. *Sex of respondent:*

Male [1] ○ Female [2] ○

111. *Province or territory where respondent was when interviewed:*

Nfld. [01] ○ Man. [07] ○

P.E.I. [02] ○ Sask. [08] ○

N.S. [03] ○ Alta. [09] ○

N.B. [04] ○ B.C. [10] ○

Québec [05] ○ Yukon [11] ○

Ontario [06] ○ N.W.T. [12] ○

112. *Language of interview:*

English [1] ⊘ French [2] ○

COMMENTS:

APPENDIX II

Sample Frames

1. Manitoba vs. Canada

	Universe	Selected Sample	Response	Response Rate	Domain*
Manitoba					
Undergraduate	4,146	1,035	722	70%	673
Master	426	422	373	88%	320
Doctorate	54	54	48	89%	35
	4,626	1,511	1,143	76%	1,028
Canada					
Undergraduate	91,538	13,131	10,589	81%	9,968
Master	13,870	7,838	6,051	77%	5,251
Doctorate	1,517	1,517	1,125	74%	755
	106,925	22,486	17,765	79%	15,974

*Number of graduates living in Canada who provided complete or partial information.

2. Manitoba by Institution

	Universe	Selected Sample	Domain
University of Manitoba	3,555	1,243	955
University of Winnipeg*	744	186	-
Brandon University	327	82	73
	4,626	1,511	1,028

*No addresses and telephone numbers were received from University of Winnipeg which resulted in their graduates being excluded from the survey.

APPENDIX III

Weighting Procedure

Since this survey was based upon a sample of graduates, each responding graduate represented a number of other graduates in the population stratum. For each respondent, Statistics Canada calculated a weight variable to make the responding sample representative of the population.

Simplistically, the weight is the inverse of the sampling fraction, with a correction for non-response. Strata were determined according to province of institution, level of certification, and major field of study. A single weight was calculated for each stratum and assigned to each respondent within that stratum.

All analyses within this report were conducted using the weighting factor.

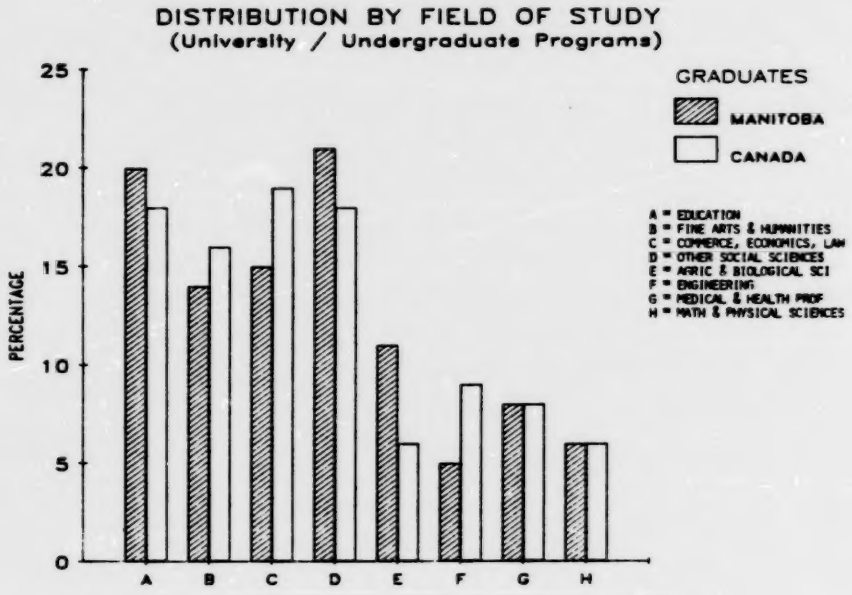
APPENDIX IV

Fields of Study

A. Education
B. Fine Arts and Humanities
C. Commerce, Economics and Law
D. Other Social Sciences
E. Agriculture and Biological Sciences
F. Engineering
G. Medical and Health Professions
H. Mathematics and Physical Sciences

APPENDIX V

Graduates by Field of Study



APPENDIX VI

Derived Indicators

These are variables derived using a combination of other variables. They were developed and tested by Statistics Canada.

A. Closeness of Fit Between June 1984 Job and Education Program of Graduate

The variables used for development included:

- answers to question 75.
- answers to question 76.
- answers to question 80.

The valid derivatives were:

- not applicable.
- directly related.
- partly related.
- unrelated.
- undetermined.

B. Education Requirements of June 1984 Job Compared With Education of Graduate

The variables used for development included:

- the 1982 certification level as reported by the institution.
- answers to question 15.
- answers to question 72.

The valid derivatives were:

- not applicable.
- graduate has more education than required in job.
- graduate has same education as required in job.
- graduate has less education than required in job.